

MATERIAL SAFETY DATA SHEET



DATE PREPARED: 07/27/1995

MSDS No: 3903

ORTHO® WEED-B-GON® Weed Killer

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® WEED-B-GON® Weed Killer

PRODUCT DESCRIPTION: Herbicide

MANUFACTURER 24 HR. EMERGENCY TELEPHONE NUMBERS

The SOLARIS Group

of Monsanto Company

P.O. Box 5008

San Ramon, CA 94583-0808

Emergency Phone 800-454-2333

EPA REG. NO.: 239-2499 PN: 5488-C

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS Registry #</u>
DMA Salt Of 2,4-D, Dimethylamine salt of 2, 4-Dichlorophenoxyacetic acid	0.2	2008-39-1
Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy)propionic acid	0.2	32351-70-5
INERT INGREDIENTS	~ 99.36	

"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 153.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:Light amber liquid

IMMEDIATE CONCERNS: KEEP OUT OF REACH OF CHILDREN
- HARMFUL IF ABSORBED THROUGH THE SKIN

POTENTIAL HEALTH EFFECTS

EYES: This substance is not expected to cause eye irritation.

SKIN: Harmful if absorbed through skin.

INGESTION: If swallowed, this substance is considered practically non-toxic to internal organs.

INHALATION: The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This hazard evaluation is based on the known toxicity of the ingredients in this substance.

4. FIRST AID MEASURES

EYES: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary. However, if irritation persists, see a doctor.

SKIN: If on skin, wash with plenty of soap and water.

INGESTION: If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center hospital.

INHALATION: Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

ADDITIONAL INFORMATION: In case of medical emergencies involving this product, call day or night, (800) 454-2333.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: >200°F TAG CC

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical, Water Fog

HAZARDOUS COMBUSTION PRODUCTS: This material will not burn.

FIRE FIGHTING PROCEDURES: This material will not burn. Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not

enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read entire document.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up spilled material with paper towels and discard in trash.

LARGE SPILL: Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water.

For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions.

Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of.

Do not contaminate water, foodstuffs or feed by storage or disposal.

GENERAL PROCEDURES Clean up spills immediately, observing precautions in Exposure Controls/ Personal Protection section.

7. HANDLING AND STORAGE

GENERAL PROCEDURES Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a secure, preferably locked, storage area. Protect container from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS No special ventilation is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards (in Section 8), then special ventilation may be required.

PERSONAL PROTECTION

EYES AND FACE: When handling the concentrate or applying the diluted product, wear goggles or face shield.

SKIN: Wear protective clothing when handling or applying this product including long pants, long sleeved shirt, socks, shoes, and chemical resistant gloves. Wash nondisposable gloves thoroughly with soap and water before removing. Remove contaminated clothing and launder separately before reuse. Promptly and thoroughly wash hands and exposed skin with soap and

water after using this product.

RESPIRATORY No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Dimethylammonium salt of 2, 4-Dichlorophenoxyacetic acid	None	10 mg/m ³	None
Dimethylammonium salt of 2-(2-methyl-4-chlorophenoxy) propionic acid	None	None	None
3-iodo-2-propynyl butyl carbamate	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Light amber liquid

pH: ~7.8 to 8.6

PERCENT VOLATILE: 0

VAPOR PRESSURE: <10 mmHg at 25°C

VAPOR DENSITY: 0.67 (Air=1)

BOILING POINT: 210°F

FREEZING POINT: No Data Available

MELTING POINT: 30°F

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: 0 (n-Butyl Acetate=1)

DENSITY: No Data Available

SPECIFIC GRAVITY: 1.00 at 20°C

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

HAZARDOUS DECOMPOSITIONNo Data Available

INCOMPATIBLE MATERIALSMay react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES:No corneal involvement. Slight conjunctival irritation. All eyes normal by 24 hours.

DERMAL LD₅₀: Mild to slight irritation at 72 hours. (No irritation or slight erythema.) The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0. The dermal LD₅₀ in rabbits is greater than 5 g/kg.

ORAL LD₅₀: The oral LD₅₀ in rats is greater than 5 g/kg.

INHALATION LG₅₀: No product toxicology data available. The hazard evaluation was based on data on the components.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATIONThis product is toxic to aquatic invertebrates. Drift from this product may adversely affect aquatic invertebrates and nontarget plants.

13. DISPOSAL CONSIDERATIONS

FOR LARGE SPILLS:Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures.

PRODUCT DISPOSAL:The Solaris Group is committed to responsible environmental practices and recommends that all of the product be used up, carefully following all label directions and precautions.

If necessary to dispose of partially filled product container, then securely wrap it in several layers of newspaper and discard in trash.

EMPTY CONTAINER:Do not reuse container.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:Not Regulated

PRIMARY HAZARD CLASS/DIVISION:None**UN/NA NUMBER:**NONE**PACKING GROUP:**NO**U.S. SURFACE FREIGHT CLASS:**Tree or weed killing compounds, NOI, Density of 20 lbs. or greater per cu. ft.**AIR (ICAO/IATA)****PROPER SHIPPING NAME:**Not Regulated**SPECIAL SHIPPING NOTES:**The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: NO	REACTIVITY: NO	PRESSURE GENERATING: NO

TSCA (TOXIC SUBSTANCE CONTROL ACT)**TSCA REGULATORY:**All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

16. OTHER INFORMATION

HMIS CODES**FIRE:**0 **HEALTH:**1 **REACTIVITY:**0 **PROTECTION:-****NFPA CODES****FIRE:**0 **HEALTH:**1 **REACTIVITY:**0 **SPECIAL:-****APPROVAL DATE:**09/11/1995**REVISION SUMMARY:**New MSDS**COMMENTS:**For additional information concerning this product, call the SOLARIS

Groups Consumer Helpline at 800-225-2883.

MANUFACTURER DISCLAIMER This Material Safety Data Sheet (MSDS) contains health, safety and environmental information for you and your employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label. Information contained in this MSDS will help you to prepare for emergency response and to meet community right-to-know emergency response and reporting requirements under SARA Title III and many other laws. Emergency response agencies and health care providers will also find this additional information useful.

Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved label copy. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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